

Datasheet

M.2 (P80) 4TS2-P series

- PCIe Gen. 4x4, NVMe 1.4 for Edge Server field
- Excellent data transfer speed
- Stable sustained performance
- Heat-spreading design
- LDPC ECC engine supported.
- Thermal Throttling management
- 256-bit AES hardware-based encryption
- Support TCG Opal Function (Optional)



Introduction

Innodisk M.2 (P80) 4TS2-P is an NVM Express SSD designed as the standard M.2 form factor with PCIe interface and 3D TLC NAND Flash. M.2 (P80) 4TS2-P supports PCIe Gen. 4x4, and it is compliant with NVMe 1.4 providing excellent performance. M.2 (P80) 4TS2-P with heat-spreading design dissipate heat generating from IC making SSD perform more steady. M.2 (P80) 4TS2-P has Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk M.2 (P80) 4TS2-P provides ultra-speed and high IOPS and offers maximum capacity up to 3.2TB, making the SSD optimal for server and heavy data workload applications.

M.2 (P80)

4TS2-P series

Contact us for more information
about the M.2 (P80) 4TS2-P.

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

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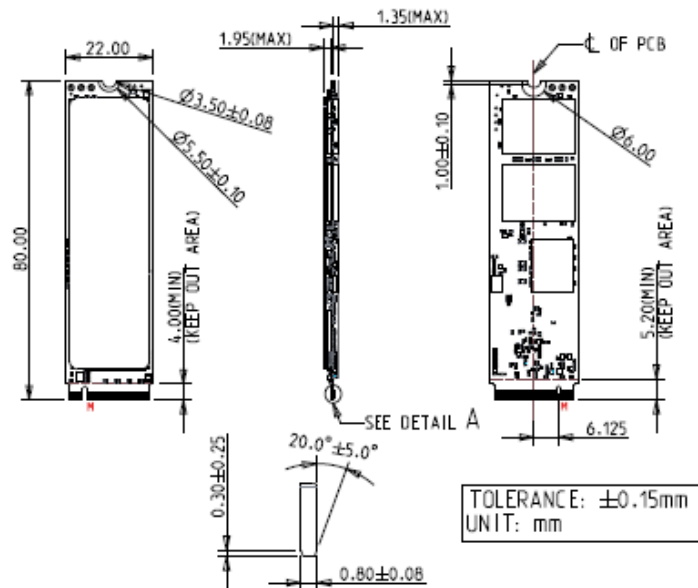
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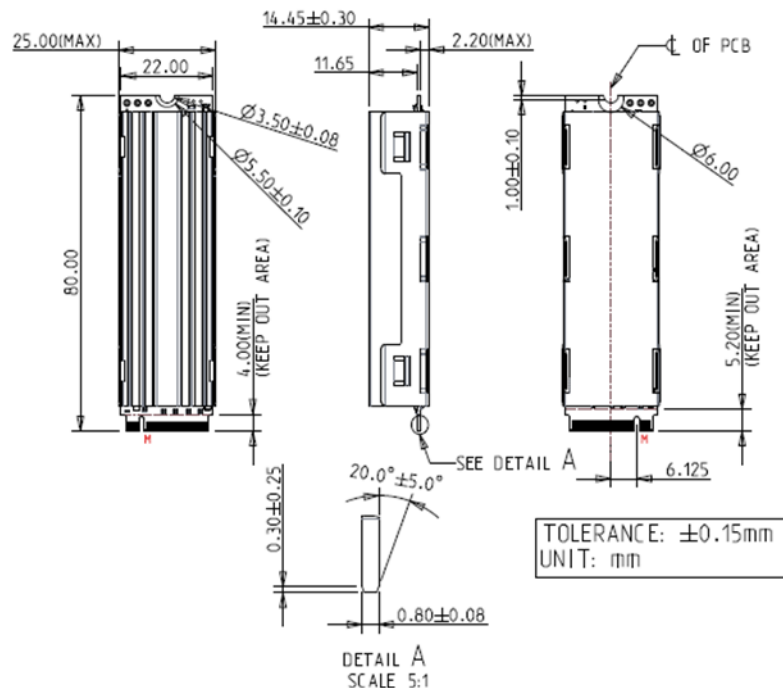
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20240402

Diagram(ST)



Diagram(WT)



Specifications

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20240402

Interface	PCIe Gen. 4x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	400GB~3.2TB
Max. Channels	8
Sequential R/W (MB/sec, max.)	6,950/4,650
Max. Power Consumption	7W
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	NA
Dimension (WxLxH)	ST with heat-spreading copper layer: 22.0 X 80.0 X 3.3 mm WT with heatsink: 25.0 X 80.0 X 14.45 mm (Pure M.2: 22.0 X 80.0 X 2.87 mm)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	400GB	800GB	1.6TB	3.2TB
Standard Grade (0°C ~ +70°C)	DSM28-400DP1KCCEF DSM28-400DP2KCCEF	DSM28-800DP1KCCEF DSM28-800DP2KCCEF	DSM28-1T6DP1KCCEF DSM28-1T6DP2KCCEF	DSM28-3T2DP1KCCEF DSM28-3T2DP2KCCEF
Industrial Grade (-40°C ~ +85°C)	DSM28-400DP1KWCEFH DSM28-400DP1KWCEFH	DSM28-800DP1KWCEFH DSM28-800DP2KWCEFH	DSM28-1T6DP1KWCEFH DSM28-1T6DP2KWCEFH	DSM28-3T2DP1KWCEFH DSM28-3T2DP2KWCEFH

For TCG OPAL function, the PN Code 10th~12th will be DP2.